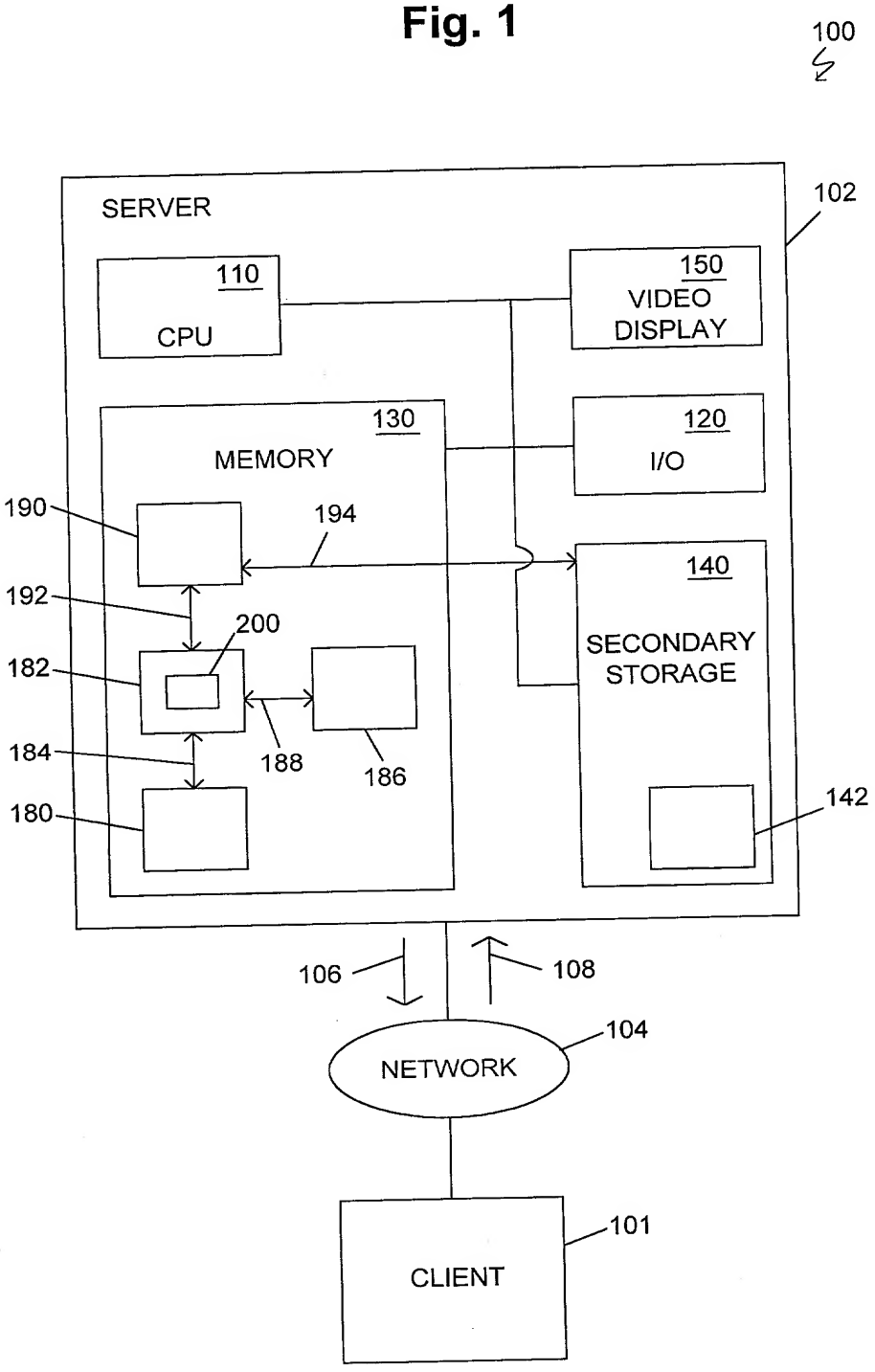
Fig. 1


100
SERVER
102
110
CPU
150
VIDEO
DISPLAY
130
MEMORY
120
I/O
190
194
140
192
200
SECONDARY
STORAGE
182
188
186
184
180
142
106
108
104
NETWORK
101
CLIENT

20070105.6426.2202

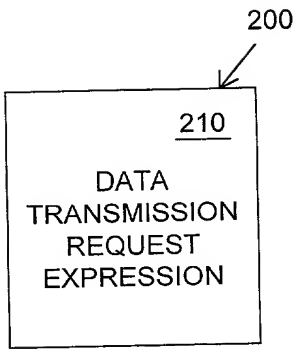


Fig. 2

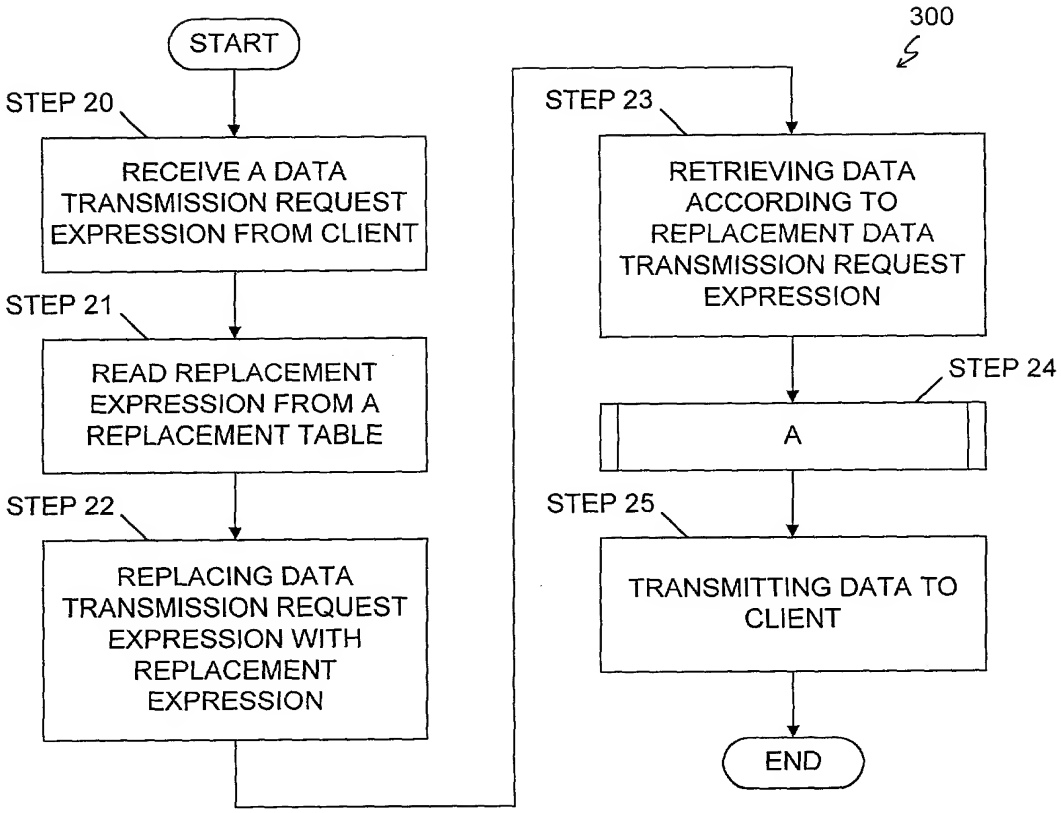

300
START
STEP 20
RECEIVE A DATA TRANSMISSION REQUEST EXPRESSION FROM CLIENT
STEP 21
READ REPLACEMENT EXPRESSION FROM A REPLACEMENT TABLE
STEP 22
REPLACING DATA TRANSMISSION REQUEST EXPRESSION WITH REPLACEMENT EXPRESSION
STEP 23
RETRIEVING DATA ACCORDING TO REPLACEMENT DATA TRANSMISSION REQUEST EXPRESSION
STEP 24
A
STEP 25
TRANSMITTING DATA TO CLIENT
END

Fig. 3

20221110.6595.0004

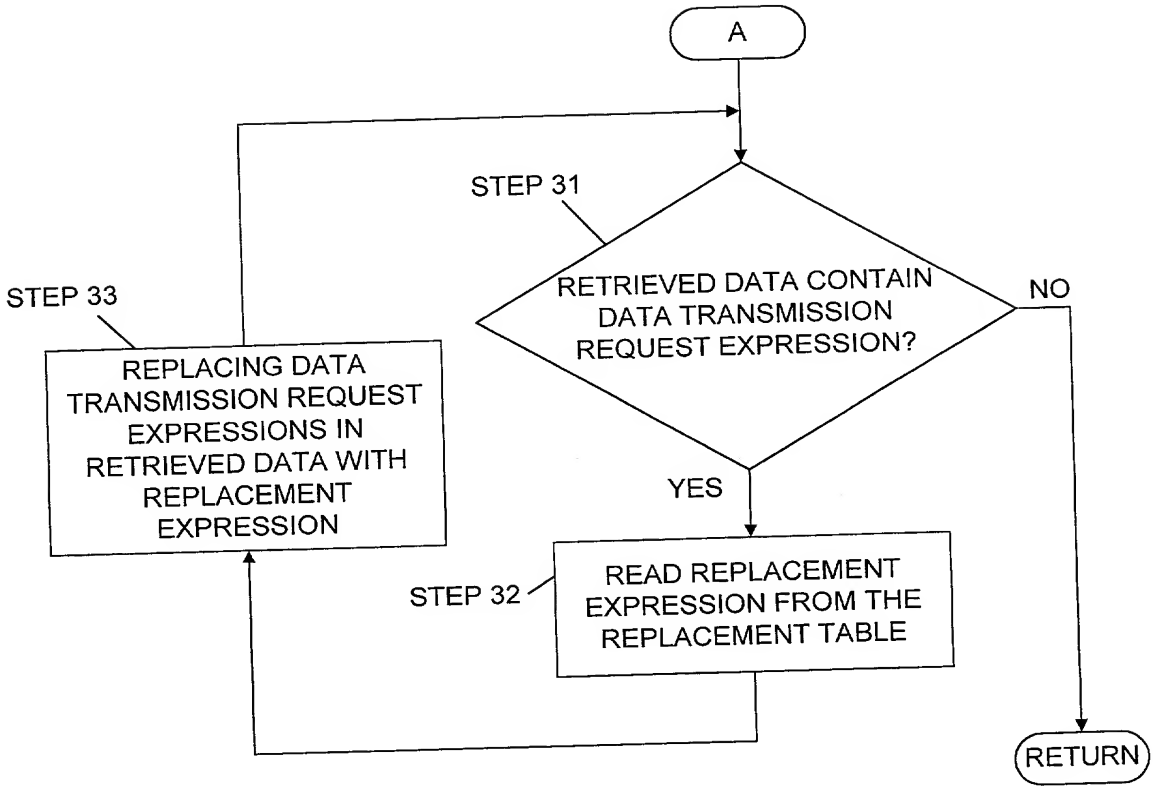


Fig. 4

2024-05-29 15:20:01

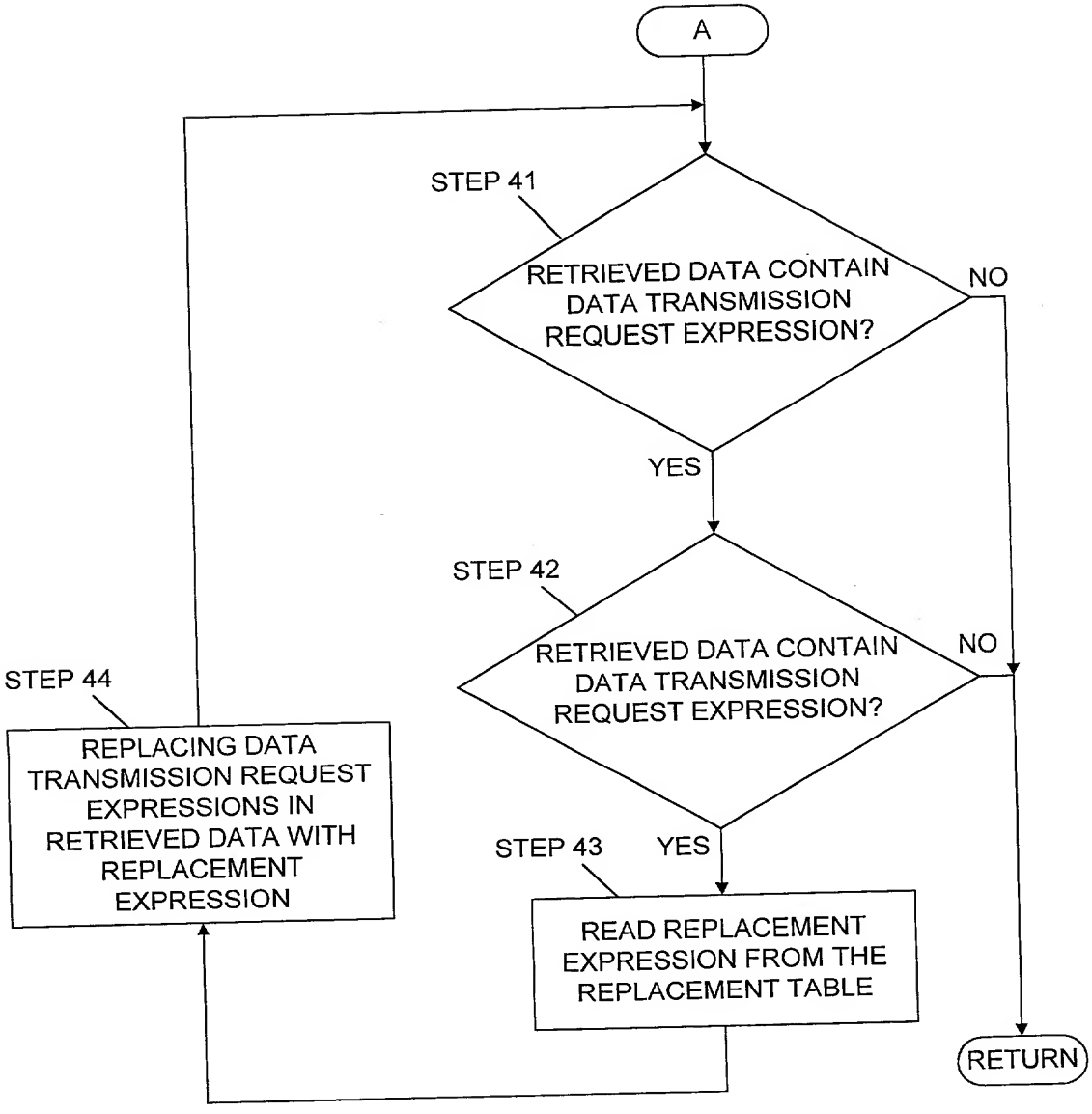


Fig. 5

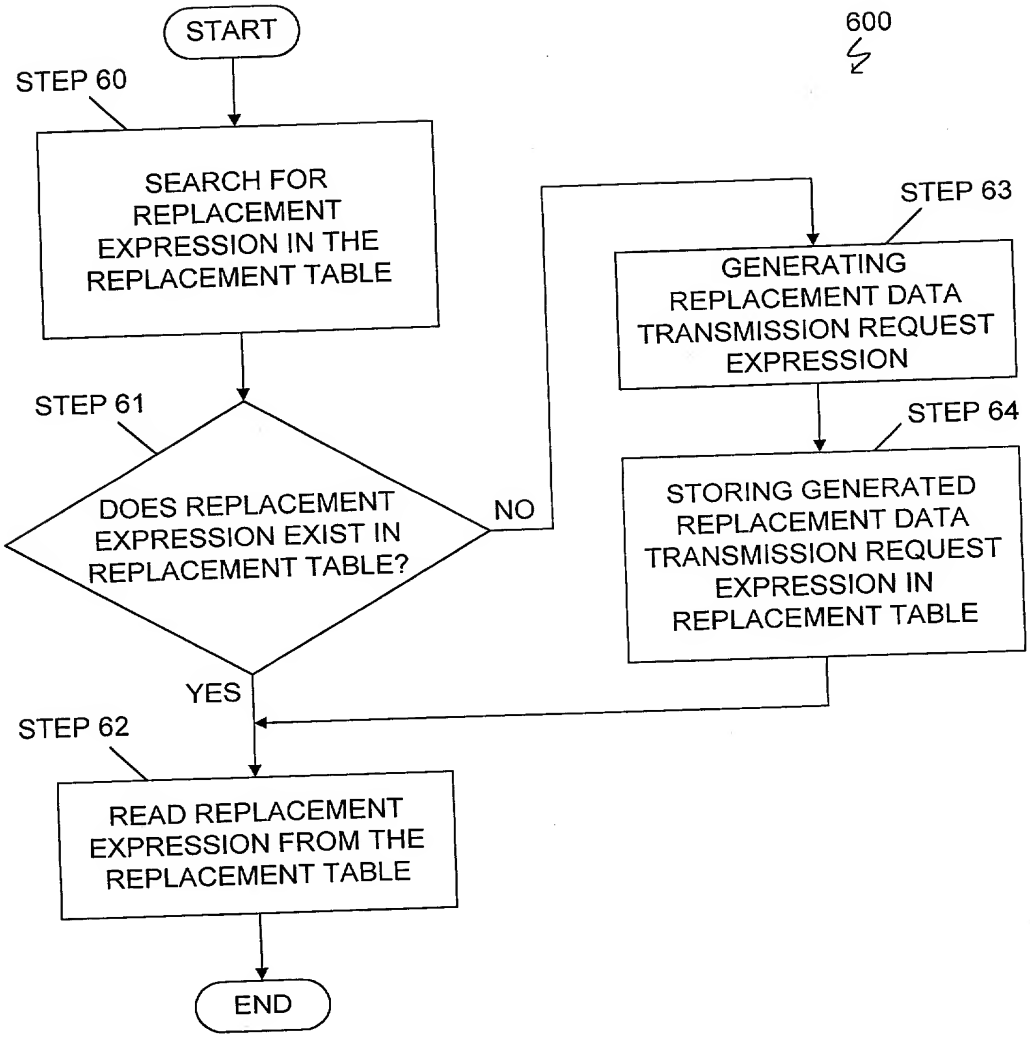

600
START
STEP 60
SEARCH FOR REPLACEMENT EXPRESSION IN THE REPLACEMENT TABLE
STEP 61
DOES REPLACEMENT EXPRESSION EXIST IN REPLACEMENT TABLE?
NO
YES
STEP 63
GENERATING REPLACEMENT DATA TRANSMISSION REQUEST EXPRESSION
STEP 64
STORING GENERATED REPLACEMENT DATA TRANSMISSION REQUEST EXPRESSION IN REPLACEMENT TABLE
STEP 62
READ REPLACEMENT EXPRESSION FROM THE REPLACEMENT TABLE
END

Fig. 6

20210-6595.PCT

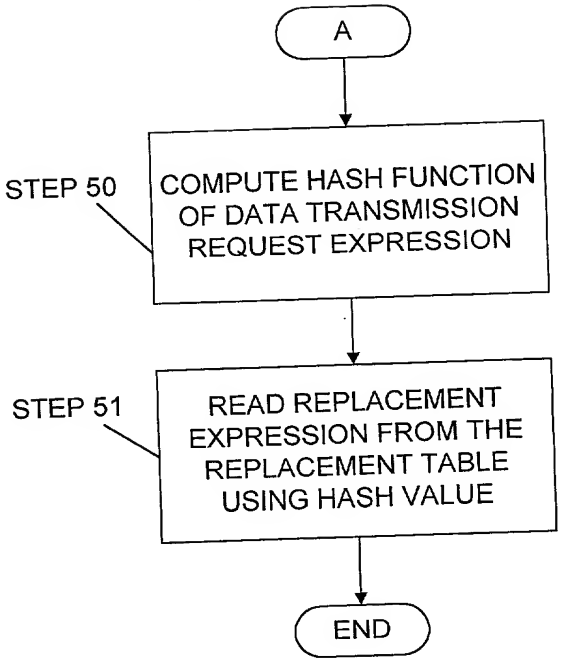


Fig. 7

Fig. 8

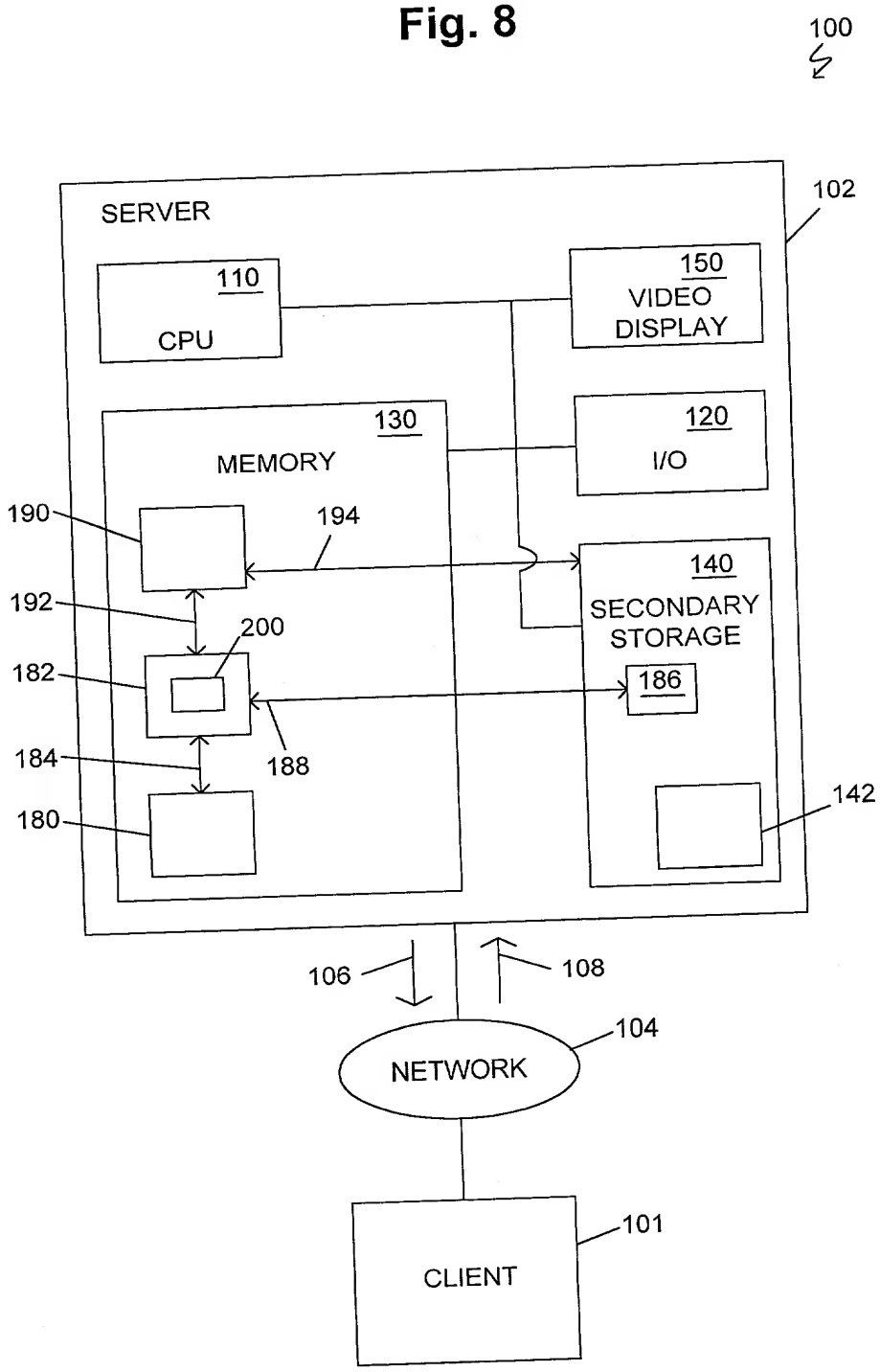

100
SERVER
102
110
CPU
150
VIDEO
DISPLAY
130
MEMORY
120
I/O
190
194
140
SECONDARY
STORAGE
192
200
182
186
188
184
180
142
106
108
NETWORK
104
CLIENT
101

Fig. 9

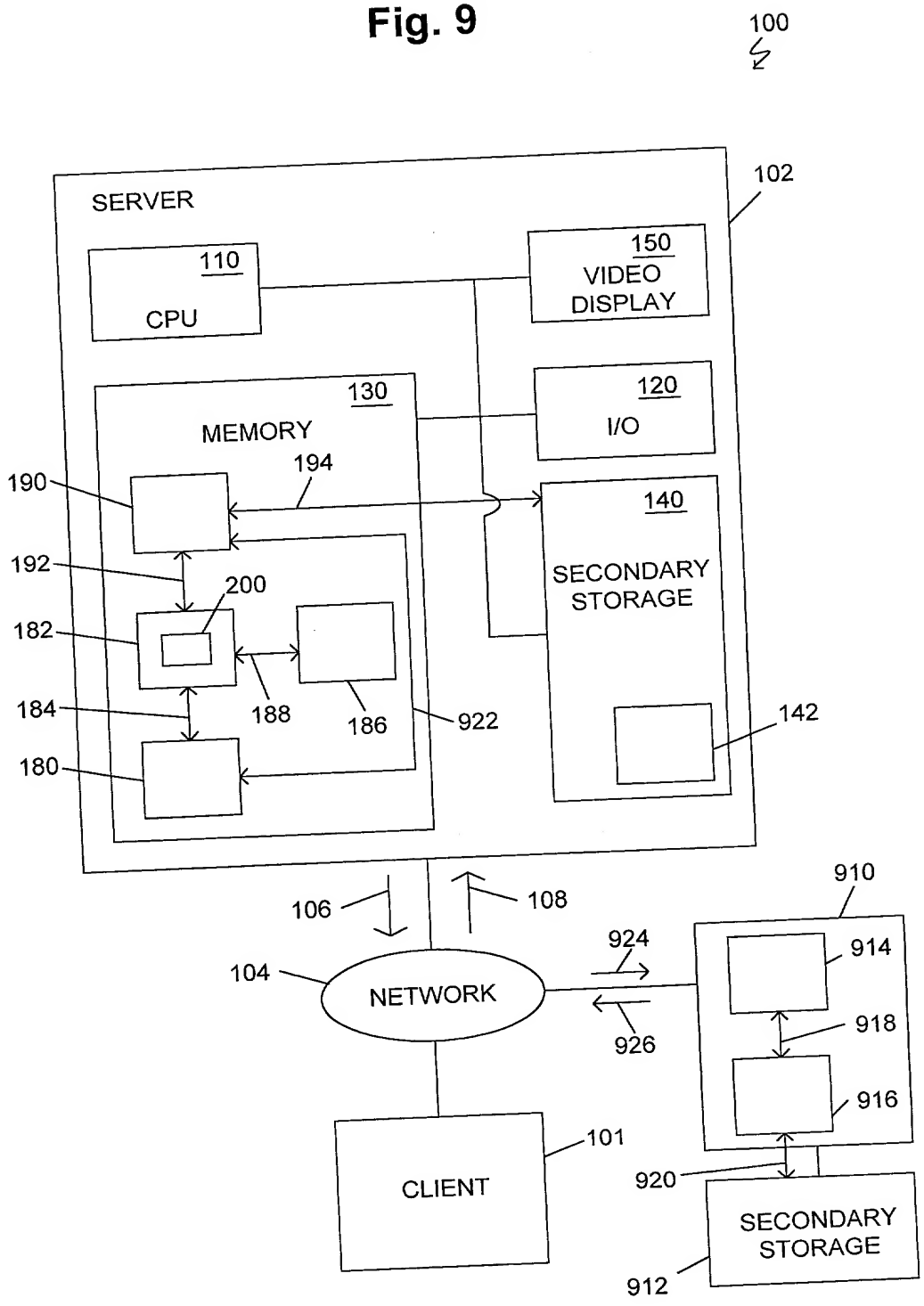

100
SERVER
102
110
CPU
150
VIDEO DISPLAY
130
MEMORY
120
I/O
194
190
140
SECONDARY STORAGE
192
200
182
188
186
922
142
184
180
106
108
910
924
914
104
NETWORK
926
918
916
101
CLIENT
920
SECONDARY STORAGE
912

Fig. 10

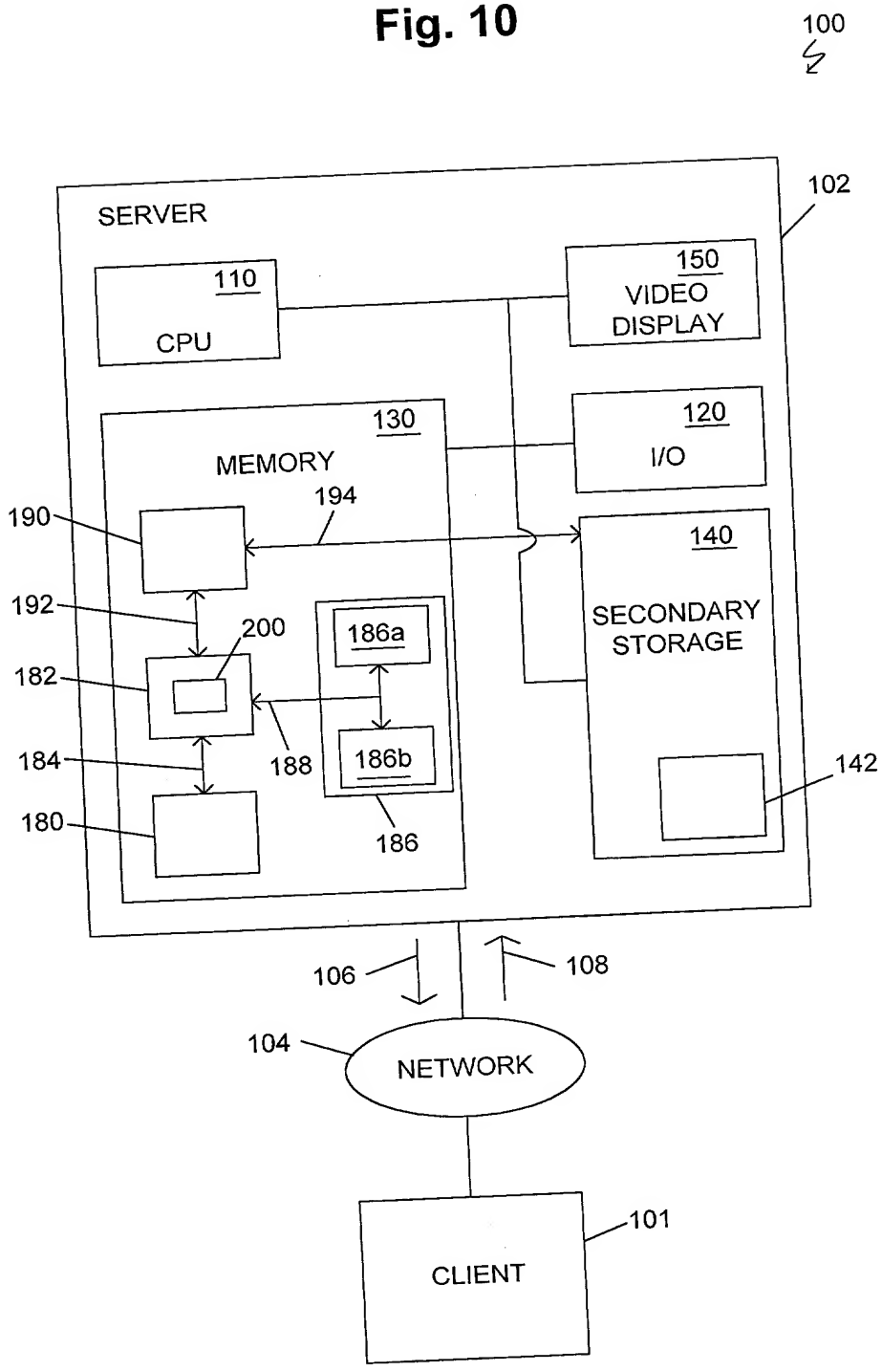

100
SERVER
102
110
CPU
150
VIDEO
DISPLAY
130
MEMORY
120
I/O
194
190
140
SECONDARY
STORAGE
192
200
186a
182
188
186b
184
142
180
186
106
108
104
NETWORK
101
CLIENT

Fig. 11

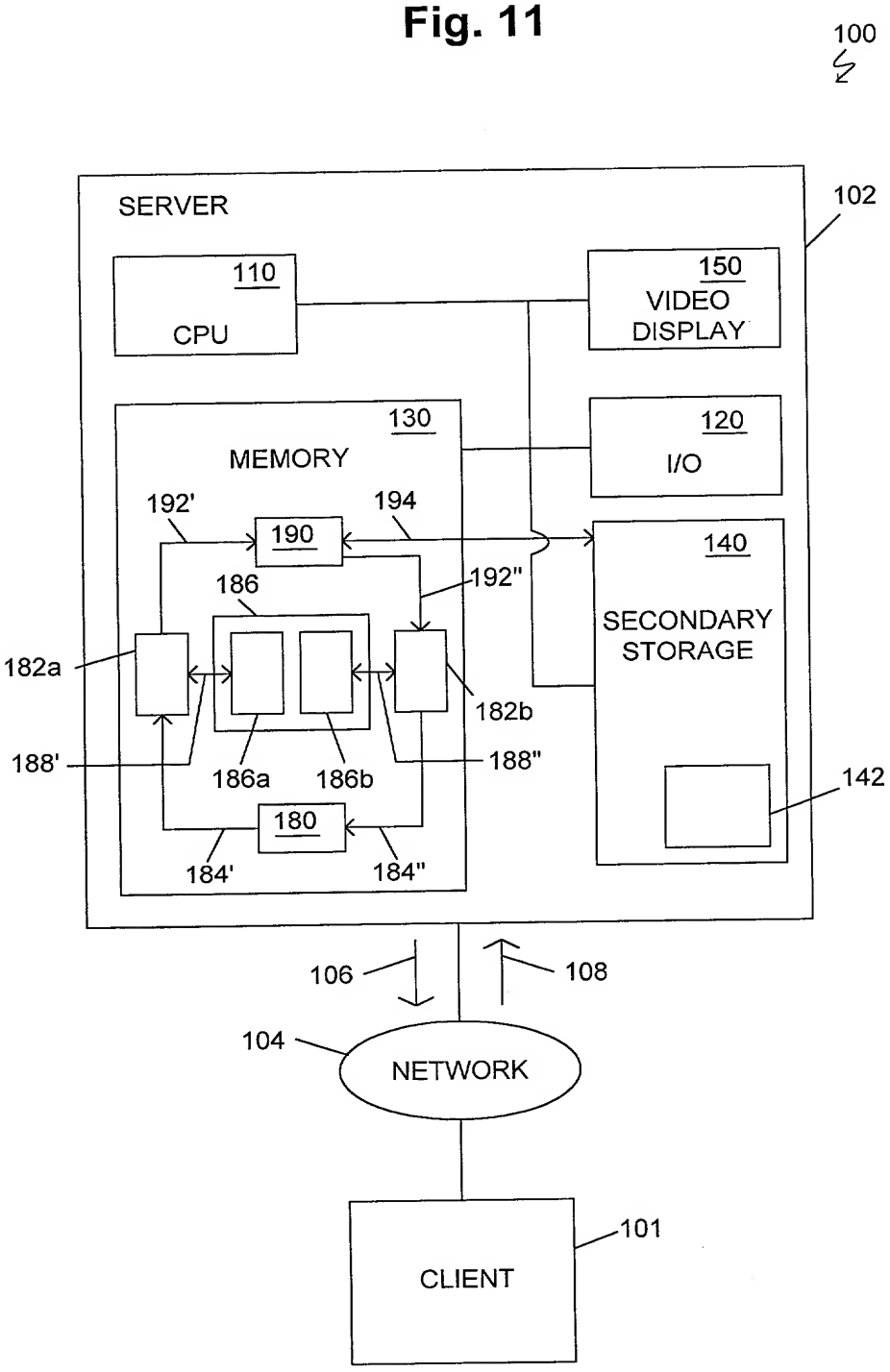

100
SERVER
102
110
CPU
150
VIDEO
DISPLAY
130
MEMORY
120
I/O
192'
194
190
140
186
192"
SECONDARY
STORAGE
182a
182b
188'
188"
186a
186b
142
180
184'
184"
106
108
104
NETWORK
CLIENT
101

Fig. 12

186

1210	1220
www.shorturl1.com	www.longurl1abcdef.com
www.shorturl2.com	www.longurl2abcdef.com
www.shorturl3.com	www.longurl3abcdef.com
www.shorturl4.com	www.longurl4abcdef.com
www.shorturl5.com	www.longurl5abcdef.com